

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

15R8)

PUBLICATION NUMBER : 59149654
PUBLICATION DATE : 27-08-84

APPLICATION DATE : 15-02-83
APPLICATION NUMBER : 58023560

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INT.CL. : H01M 4/58 H01M 10/40

TITLE : SECONDARY BATTERY

ABSTRACT : PURPOSE: To reduce self discharge and improve performance by using the carbon fiber cleaned by a solution in which alkaline metallic salt is dissolved as at least the electrode on one side.

CONSTITUTION: The carbon fiber cleaned by a solution in which alkaline metallic salt is dissolved is used as at least the electrode on one side. For example, the molded piece of the active carbon fiber whose specific surface area is 500 to 4,000m²/g is used as the carbon fiber. Acetonitrile, 1,2-dimethoxyethane propylene carbonate, etc. are used in addition to acetone, methanol, and ethanol as the solvent of the solution used for cleaning. Besides, organic acid ions such as acetate ion and formate ion are used in addition to halide ion, boron fluoride ion, and perchlorate ion as the pair ion of alkaline metallic salt.

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